

FIELD CHANGE REQUEST (FCR) FORM

Project Name: Arkema Project Area – PDI Phase 2
Client: LSS/Retia USA

Project No.: CF167
Request No.: FCR-18

To: Madi Novak, EPA Date: May 9, 2022

Field Change Request Title: Vibracore Step-Outs and Step-Ins to Delineate Chlorobenzene.

Description:

In accordance with FCR-17, another row of sediment vibracore stations was advanced toward the river channel. The additional stations (SC-52-0, SC-56-0, SC-60-0, SC-64-0, SC-67-0, and SC-70-0; Figures 1 and 2) were advanced to sampler refusal using the protocols developed in the approved PDI work plan (Section 4.5.1 of the Field Sampling Plan (FSP), Appendix A to the PDI Work Plan) and related approved FCRs. Each 1-ft interval from these cores was analyzed for chlorobenzene by EPA Method 8260C in accordance with the PDI Work Plan. The preliminary chlorobenzene results from these step-out cores warranted additional step-outs and step-ins to further delineate the lateral and vertical extent of chlorobenzene remediation threshold exceedances in the Dock 1 and 2 Reach.

Recommended Change:

Preliminary chlorobenzene data from the step-outs presented in FCR-17 show remediation threshold exceedances for chlorobenzene at stations SC-52-O, SC-56-O, SC-60-O, and SC-64-O. Additional step-out cores from these cores were warranted to delineate chlorobenzene remediation threshold exceedances at SC-47-O, SC-47-O2, SC-52-O2, SC-56-O2, SC-60-O2, SC-64-O2, and SC-67-O2 (Figures 1 and 2). Additionally, a step-out at SC-72-O was warranted to bound the upstream extent of the chlorobenzene remediation threshold exceedances (Figure 2).

The additional step-out cores were advanced to refusal and each 1-ft interval from these cores was analyzed for chlorobenzene by EPA Method 8260C in accordance with the PDI Work Plan. Preliminary chlorobenzene data show no chlorobenzene remediation threshold exceedances for the bottom three sample intervals from additional step-out cores SC-56-O2, SC-60-O2 and SC-64-O2. "Step-in" cores were warranted to further bound the chlorobenzene remediation threshold exceedances at stations SC-56-O1, SC-60-O1, and SC-64-O1 (Figure 2). The step-in cores were advanced to refusal and each 1-ft interval from these cores was submitted to the analytical laboratory for chlorobenzene analysis by EPA Method 8260C in accordance with the PDI Work Plan. The chlorobenzene results will be evaluated when they are available. If additional cores are recommended, the locations will be provided to EPA for approval with a reference to this FCR.

Field Operations Lead (or designee)


Signature

May 9, 2022
Date

Approval:

Eron Dodak
Project Manager


Signature

May 9, 2022
Date

Madi Novak

EPA Remedial Project Manager

Signature

Date

Distribution:

LSS Project Coordinator

Integral Project Manager

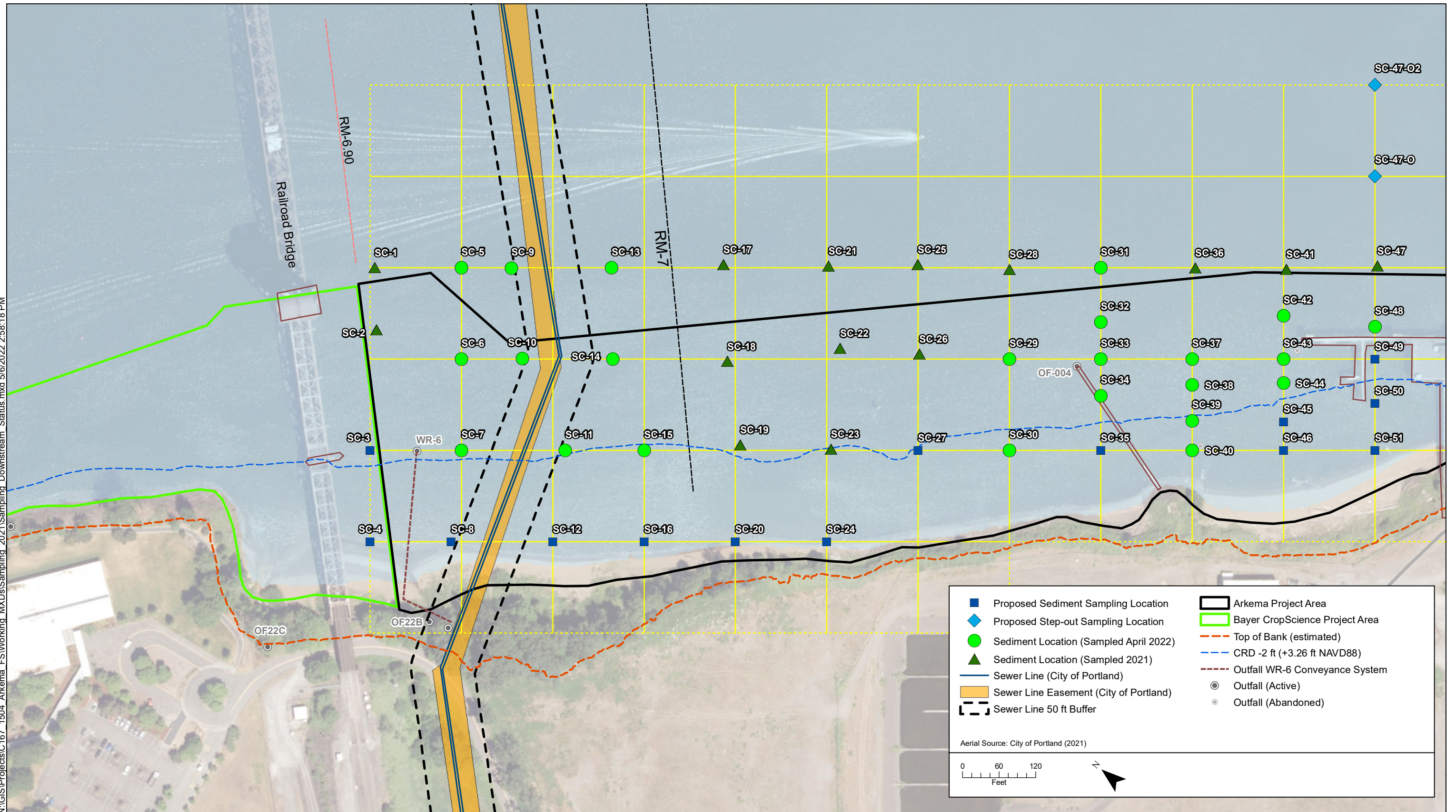
Field Operations Lead

QA Officer

Project File

Other:

N:\GIS\Projects\C167_1504 Arkema_FSWWorking_MXD\Sampling_2021\Sampling_Downstream_Status.mxd 5/6/2022 2:58:18 PM



Notes:
1. City of Portland sewer line alignment and easement are sourced from the City BES Collection System GIS map layers at:
<https://gis-pdx.opendata.arcgis.com/datasets/PDX::collection-system-lines/about>

WORKING DRAFT

Figure 1.
Wide-view of the Proposed Remedial Design Investigation Sediment Sampling Stations Downstream of Dock 2

N:\GIS\Projects\C167_1504 Arkema FSW\Working_MXD\Sampling_2021\Sampling Upstream Status.mxd 5/6/2022 2:59:41 PM

